



Attorney Docket No.: 407T-302610US  
Client Reference No.: 2003-407-1

### DECLARATION

As a below named inventor, I declare that:

My residence, post office address and citizenship are as stated below next to my name; I believe I am the original, first and sole inventor (if only one name is listed below) or an original, first and joint inventor (if plural inventors are named below) of the subject matter which is claimed and for which a patent is sought on the invention entitled: **ATTACHMENT OF ORGANIC MOLECULES TO GROUP III, IV OR V SUBSTRATES** the specification of which \_\_\_ is attached hereto or x was filed on July 28, 2003 as Application No. 10/628,868, and was amended on \_\_\_\_\_ (if applicable).

I have reviewed and understand the contents of the above-identified specification, including the claims, as amended by any amendment referred to above. I acknowledge the duty to disclose information which is material to the examination of this application in accordance with Title 37, Code of Federal Regulations, Section 1.56. I claim foreign priority benefits under Title 35, United States Code, Section 119 of any foreign application(s) for patent or inventor's certificate listed below and have also identified below any foreign application for patent or inventor's certificate having a filing date before that of the application on which priority is claimed.

#### Prior Foreign Application(s)

Country	Application No.	Date of Filing	Priority Claimed Under 35 USC 119

I hereby claim the benefit under Title 35, United States Code § 119(e) of any United States provisional application(s) listed below:

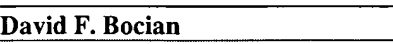
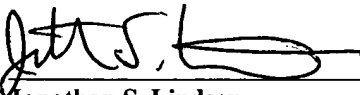
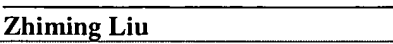
Application No.	Filing Date
60/489,992	July 25, 2003

I claim the benefit under Title 35, United States Code, Section 120 of any United States application(s) listed below and, insofar as the subject matter of each of the claims of this application is not disclosed in the prior United States application in the manner provided by the first paragraph of Title 35, United States Code, Section 112, I acknowledge the duty to disclose material information as defined in Title 37, Code of Federal Regulations, Section 1.56 which occurred between the filing date of the prior application and the national or PCT international filing date of this application:

Application No.	Date of Filing	Status

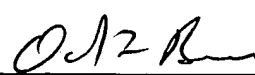


Full Name of Inventor 1:	Full Name: <b>David F. Bocian</b>		
Residence & Citizenship:	City: <b>Riverside</b>	State/Foreign Country: <b>California</b>	Country of Citizenship: <b>US</b>
Post Office Address:	Post Office Address: <b>6308 Glen Aire Avenue Riverside, CA 92506</b>		
Full Name of Inventor 2:	Full Name: <b>Jonathan S. Lindsey</b>		
Residence & Citizenship:	City: <b>Raleigh</b>	State/Foreign Country: <b>North Carolina</b>	Country of Citizenship: <b>US</b>
Post Office Address:	Post Office Address: <b>3931 Napa Valley Drive Raleigh, NC 27612</b>		
Full Name of Inventor 3:	Full Name: <b>Zhiming Liu</b>		
Residence & Citizenship:	City: <b>Riverside</b>	State/Foreign Country: <b>California</b>	Country of Citizenship: <b>CN</b>
Post Office Address:	Post Office Address: <b>5200 Canyon Crest Drive #20 Riverside, CA 92507</b>		
Full Name of Inventor 4:	Full Name: <b>Amir A. Yasserli</b>		
Residence & Citizenship:	City: <b>Riverside</b>	State/Foreign Country: <b>California</b>	Country of Citizenship: <b>US</b>
Post Office Address:	Post Office Address: <b>950 Linden Street #128 Riverside, CA 92507</b>		
Full Name of Inventor 5:	Full Name: <b>Robert S. Loewe</b>		
Residence & Citizenship:	City: <b>Morrisville</b>	State/Foreign Country: <b>North Carolina</b>	Country of Citizenship: <b>US</b>
Post Office Address:	Post Office Address: <b>602 Suttergate Lane Morrisville, NC 27560</b>		

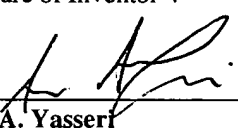
I further declare that all statements made herein of my own knowledge are true and that all statements made on information and belief are believed to be true; and further that these statements were made with the knowledge that willful false statements and the like so made are punishable by fine or imprisonment, or both, under Section 1001 of Title 18 of the United States Code, and that such willful false statements may jeopardize the validity of the application or any patent issuing thereon.

Signature of Inventor 1	Signature of Inventor 2	Signature of Inventor 3
		
<b>David F. Bocian</b>	<b>Jonathan S. Lindsey</b>	<b>Zhiming Liu</b>
Date	Date <b>3/25/04</b>	Date

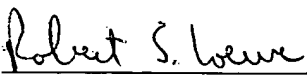
Full Name of Inventor 1:	Full Name: <b>David F. Bocian</b>		
Residence & Citizenship:	City: <b>Riverside</b>	State/Foreign Country: <b>California</b>	Country of Citizenship: <b>US</b>
Post Office Address:	Post Office Address: <b>6308 Glen Aire Avenue Riverside, CA 92506</b>		
Full Name of Inventor 2:	Full Name: <b>Jonathan S. Lindsey</b>		
Residence & Citizenship:	City: <b>Raleigh</b>	State/Foreign Country: <b>North Carolina</b>	Country of Citizenship: <b>US</b>
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Full Name of Inventor 3:	Full Name: <b>Zhiming Liu</b>		
Residence & Citizenship:	City: <b>Riverside</b>	State/Foreign Country: <b>California</b>	Country of Citizenship: <b>CN</b>
Post Office Address:	Post Office Address: <b>5200 Canyon Crest Drive #20 Riverside, CA 92507</b>		
Full Name of Inventor 4:	Full Name: <b>Amir A. Yasseri</b>		
Residence & Citizenship:	City: <b>Riverside</b>	State/Foreign Country: <b>California</b>	Country of Citizenship: <b>US</b>
Post Office Address:	Post Office Address: <b>950 Linden Street #128 Riverside, CA 92507</b>		
Full Name of Inventor 5:	Full Name: <b>Robert S. Loewe</b>		
Residence & Citizenship:	City: <b>Morrisville</b>	State/Foreign Country: <b>North Carolina</b>	Country of Citizenship: <b>US</b>
Post Office Address:	Post Office Address: <b>602 Suttergate Lane Morrisville, NC 27560</b>		

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Signature of Inventor 1  <b>David F. Bocian</b>	Signature of Inventor 2  <b>Jonathan S. Lindsey</b>	Signature of Inventor 3  <b>Zhiming Liu</b>
Date <b>Feb. 2, 2004</b>	Date	Date <b>Feb. 2, 2004</b>

Signature of Inventor 4  _____ <b>Amir A. Yasser</b>	Signature of Inventor 5  _____ <b>Robert S. Loewe</b>
Date <u>2/2/09</u>	Date _____

declaration

Signature of Inventor 4	Signature of Inventor 5
<hr/>	 <hr/>
<b>Amir A. Yasseri</b>	<b>Robert S. Loewe</b>
Date	Date

declaration

## ASSIGNMENT

U.C. Case No. 2003-407-1  
Attorney Docket No. 407T-302610US

For good and valuable consideration, the receipt of which is hereby acknowledged, ASSIGNOR(S),

1. David F. Bocian      2. Zhiming Liu      3. Amir A. Yasseri

hereby sells, assigns and transfers to ASSIGNEE, The Regents of the University of California, a California Corporation, having its statewide administrative offices located 1111 Franklin Street, Twelfth Floor, Oakland, CA 94607-5200, and the successors, assigns and legal representatives of the ASSIGNEE all of its right, title and interest for the United States and its territorial possessions and in all foreign countries in and to, any and all improvements which are disclosed in the invention entitled:

TITLE: ATTACHMENT OF ORGANIC MOLECULES TO GROUP III, IV OR V SUBSTRATES

and which is found in

- (a) \_\_\_\_\_ U.S. provisional application filed herewith and listing the above named persons as inventors
- (b) \_\_\_\_\_ U.S. patent application filed herewith and listing the above named persons as inventors
- (c) \_\_\_\_\_ U.S. application serial no. 10/628,868, filed on July 28, 2003
- (d) \_\_\_\_\_ U.S. Patent No.: , issued

and any legal equivalent thereof in a foreign country, including the right to claim priority and, in and to, all Letters Patent to be obtained for said invention by the above application or any continuation, division, continuation-in-part, extension, conversion to 35 USC 111(a) or substitute thereof, and any reissue, reexamination or extension of said Letters Patent and all rights under all International Conventions for the Protection of Industrial Property;

ASSIGNOR(S) hereby covenants that no assignment, sale, agreement or encumbrance has been or will be made or entered into which would conflict with this assignment;

ASSIGNOR(S) further covenants that ASSIGNEE will, upon its request, be provided promptly with all pertinent facts and documents relating to said invention and said Letters Patent and legal equivalents as may be known and accessible to ASSIGNOR and will testify as to the same in any interference, litigation, or proceeding relating thereto and will promptly execute and deliver to ASSIGNEE or its legal representative any and all papers, instruments or affidavits required to apply for, obtain, maintain, issue or enforce said application, said invention and said Letters Patent and said equivalents thereof which may be necessary or desirable to carry out the purposes thereof. An attorney of record is authorized and requested by the execution of this assignment to insert into this assignment the filing date and serial number of said application when officially known.

AND the ASSIGNOR(S) requests the Commissioner of Patents and Trademarks to issue said Letters Patent of the United States and any reissue or extension thereof to the ASSIGNEE, The Regents of the University of California.

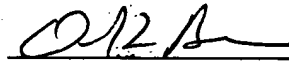
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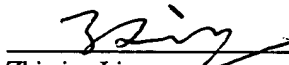
2 day of February, 2004

2 day of February, 2004

2 day of February, 2004

Signature of Inventor(s)

  
David F. Bocian

  
Zhiming Liu

  
Amir A. Yasseri

## ASSIGNMENT

U.C. Case No. 2003-407-1  
Attorney Docket No. 407T-302610US

For good and valuable consideration, the receipt of which is hereby acknowledged, ASSIGNOR(S),

1. Jonathan S. Lindsey    2. Robert S. Loewe

hereby sells, assigns and transfers to ASSIGNEE, The North Carolina State University, having its statewide administrative offices located 2401 Research Drive, Raleigh, NC 27695-7003, and the successors, assigns and legal representatives of the ASSIGNEE all of its right, title and interest for the United States and its territorial possessions and in all foreign countries in and to, any and all improvements which are disclosed in the invention entitled:

TITLE: ATTACHMENT OF ORGANIC MOLECULES TO GROUP III, IV OR V SUBSTRATES

and which is found in

- (a) \_\_\_\_\_ U.S. provisional application filed herewith and listing the above named persons as inventors
- (b) \_\_\_\_\_ U.S. patent application filed herewith and listing the above named persons as inventors
- (c) \_\_\_\_\_ U.S. application serial no. 10/628,868, filed on July 28, 2003
- (d) \_\_\_\_\_ U.S. Patent No.: , issued

and any legal equivalent thereof in a foreign country, including the right to claim priority and, in and to, all Letters Patent to be obtained for said invention by the above application or any continuation, division, continuation-in-part, extension, conversion to 35 USC 111(a) or substitute thereof, and any reissue, reexamination or extension of said Letters Patent and all rights under all International Conventions for the Protection of Industrial Property;

ASSIGNOR(S) hereby covenants that no assignment, sale, agreement or encumbrance has been or will be made or entered into which would conflict with this assignment;

ASSIGNOR(S) further covenants that ASSIGNEE will, upon its request, be provided promptly with all pertinent facts and documents relating to said invention and said Letters Patent and legal equivalents as may be known and accessible to ASSIGNOR and will testify as to the same in any interference, litigation, or proceeding relating thereto and will promptly execute and deliver to ASSIGNEE or its legal representative any and all papers, instruments or affidavits required to apply for, obtain, maintain, issue or enforce said application, said invention and said Letters Patent and said equivalents thereof which may be necessary or desirable to carry out the purposes thereof. An attorney of record is authorized and requested by the execution of this assignment to insert into this assignment the filing date and serial number of said application when officially known.

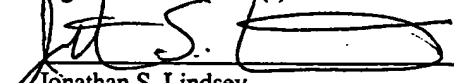
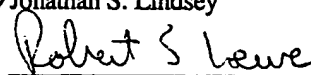
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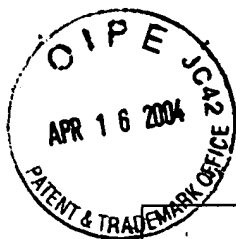
executed this

25 day of March, 2004

26 day of March, 2004

Signature of Inventor(s)

  
Jonathan S. Lindsey  
  
Robert S. Loewe



PTO/SB/96 (2-98)  
Approved for use through 09/30/02000. OMB 0651-0031

**STATEMENT UNDER 37 CFR 3.73(b)**Applicant: **David F. Bocian, et al.**Application No.: **10/628,868**Filed: **July 28, 2003**Entitled: **ATTACHMENT OF ORGANIC MOLECULES TO GROUP III, IV OR V SUBSTRATES****The Regents of the University of California****University**

(Name of Assignee)

(Type of Assignee, e.g., corporation, partnership, university, government agency, etc.)

states that it is:

1. ☒ the assignee of the entire right, title, and interest; or
2. ☐ an assignee of an undivided part interest

in the patent application identified above by virtue of either:

A. ☒ An assignment from the inventor(s) of the patent application identified above. The assignment was recorded in the Patent and Trademark Office at Reel \_\_, Frame \_\_, or for which a copy thereof is attached.

OR

B. ☐ A chain of title from the inventor(s), of the patent application identified above, to the current assignee as shown below:

1. From: \_\_\_\_\_ To: \_\_\_\_\_  
The document was recorded in the Patent and Trademark Office at Reel \_\_\_\_, Frame \_\_\_\_, or for which a copy thereof is attached.
2. From: \_\_\_\_\_ To: \_\_\_\_\_  
The document was recorded in the Patent and Trademark Office at Reel \_\_\_\_, Frame \_\_\_\_, or for which a copy thereof is attached.
3. From: \_\_\_\_\_ To: \_\_\_\_\_  
The document was recorded in the Patent and Trademark Office at Reel \_\_\_\_, Frame \_\_\_\_, or for which a copy thereof is attached.

☐ Additional documents in the chain of title are listed on a supplemental sheet

☒ Copies of assignments or other documents in the chain of title are attached.

The undersigned (whose title is supplied below) is empowered to sign this statement on behalf of the assignee.

Date

Signature

**Linda S. Stevenson**

Typed or printed name

**Manager, Patent Prosecution**

Title